



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3215-041
Job Sheet 166786



Part No: D3215-041

Job Qty: 5 ea

Part Name: Harness Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/17/17

Job Tracking No:

Due Date: 11/6/17

Created By: Marie Lajeunesse

Type: Stock

Description:

Customer: Great Slave Helicopters Ltd (CGREA01)

Accounting Office, 6285 Airport Way Kelowna, BC, V1V 1S1 Canada ph:(403) 286-2040 fx:(250) 765-0077.

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
100	Purchasing	5 pcs	11/6/17	11/6/17	0.00	0.00	Purchasing	SP
110	Packaging	5 pcs	11/6/17	11/6/17	0.00	0.00	Packaging2	SP
120	QC	5 pcs	11/6/17	11/6/17	0.00	0.00	QC6	38
130	Packaging	5 pcs	11/6/17	11/6/17	0.00	0.00	Packaging3	38
140	QC21-SA	5 Ea	11/6/17	11/6/17	0.00	0.00	QC21	38

Part Op 100 - Issue P/O: 38060 to Tulmar Safety Systems D3215-041 as per Dwg D3215 Ship to Tulmar
Descriptions: 110 - Ensure certificate of conformity is attached

Job Allocations

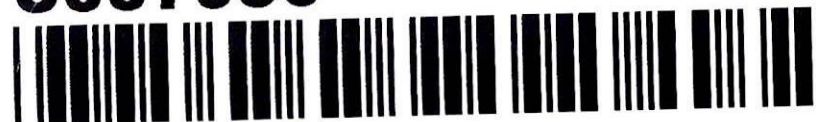
Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	D3215-041P	5	0	0	0
	D3215-3	5	26	0	0
	D3216-1	5	16	0	0

OCT 17 2017

Part Specifications

Specifications could not be found.

DART
AEROSPACE
S007936



Harness Assembly

PART NO: D3215-041
Revision:
Operation: Packaging
Change No:

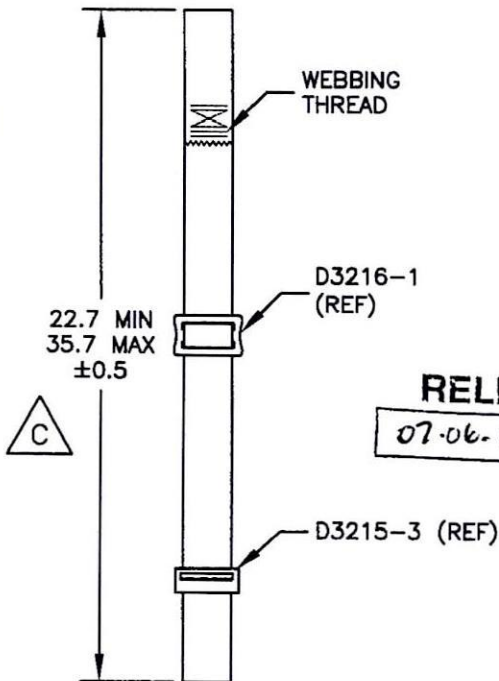
Dart Aerospace Ltd.

1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Mfg Date: 11/08/17
Job No: 166786

DART

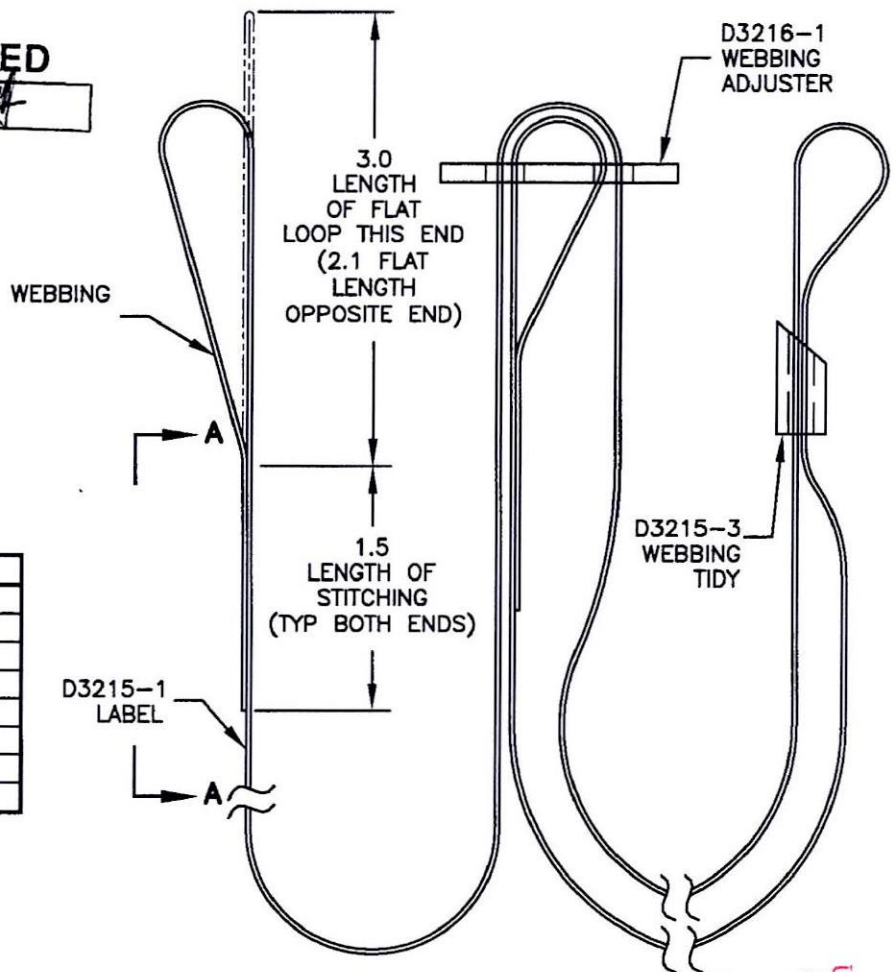
DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3215	REV. D SHEET 1 OF 3
DATE 07.03.27		TITLE BELT ASSEMBLY	SCALE NTS
A	03.09.19	NEW ISSUE	
B	04.01.12	AS MANUFACTURED; ADD TOLERANCE	
C	04.03.05	REDUCE LENGTH; CLARIFY STITCHING	
D	07.03.27	ADD WEBBING SUPPLIER; ADD LABEL THREAD AND MATERIAL; IN VIEW A-A, 1.4 WAS 1.8; ADD -3A AND -3B; UPDATE TOLERANCES	



RELEASED
07-06-07 *[Signature]*

PARTS LIST:

QTY	P/N	DESCRIPTION
X	D3215-041	BELT ASSEMBLY
AS REQ'D	SEE NOTE 1	WEBBING
AS REQ'D	SEE NOTE 1	WEBBING THREAD
AS REQ'D	SEE NOTE 1	LABEL THREAD
1	D3215-1	LABEL
1	D3215-3	WEBBING TIDY
1	D3216-1	WEBBING ADJUSTER

**D3215-041 BELT ASSEMBLY:**

- 1) MATERIAL: WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 5700 lb MIN
OR
BELT TECH CANADA INC. 27039, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 6000 lb MIN

WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3, BLACK NYLON THREAD
LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F, BLACK NYLON THREAD

- 2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
4) SEE SHEET 3 FOR VIEW A-A

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D

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 166786415
17017

DART

DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>H</i>	DRAWING NO. D3215	REV. D SHEET 2 OF 3
DATE 07.03.27		TITLE BELT ASSEMBLY	SCALE NTS

D3215-043 BELT ASSEMBLY:

1) MATERIAL:

WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE
x 0.05 THICK BLACK POLYESTER WEBBING,
CERTIFIED TO FAR 29.853A3, TENSILE
STRENGTH 5700 lb MIN



OR BELT TECH CANADA INC. 27039, 1.8 WIDE
x 0.05 THICK BLACK POLYESTER WEBBING,
CERTIFIED TO FAR 29.853A3, TENSILE
STRENGTH 6000 lb MIN

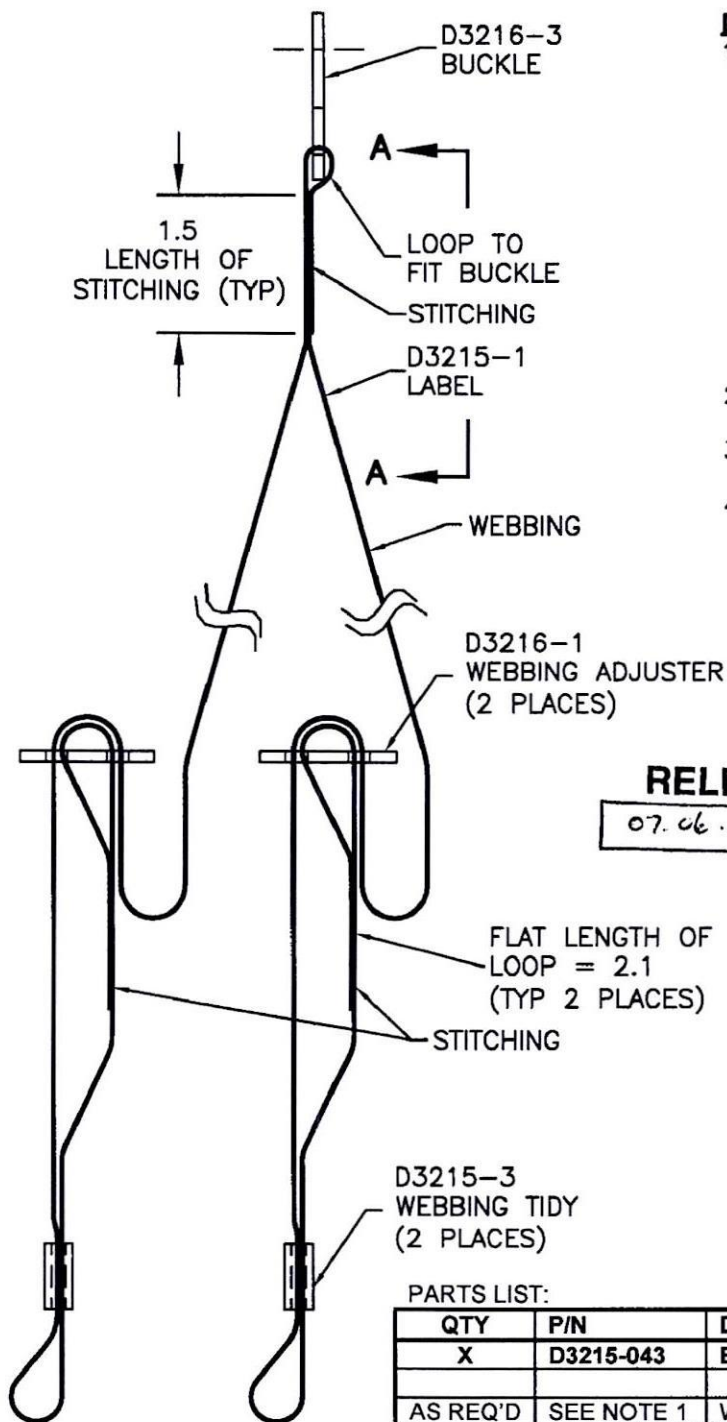
WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3,
BLACK NYLON THREAD

LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F,
BLACK NYLON THREAD

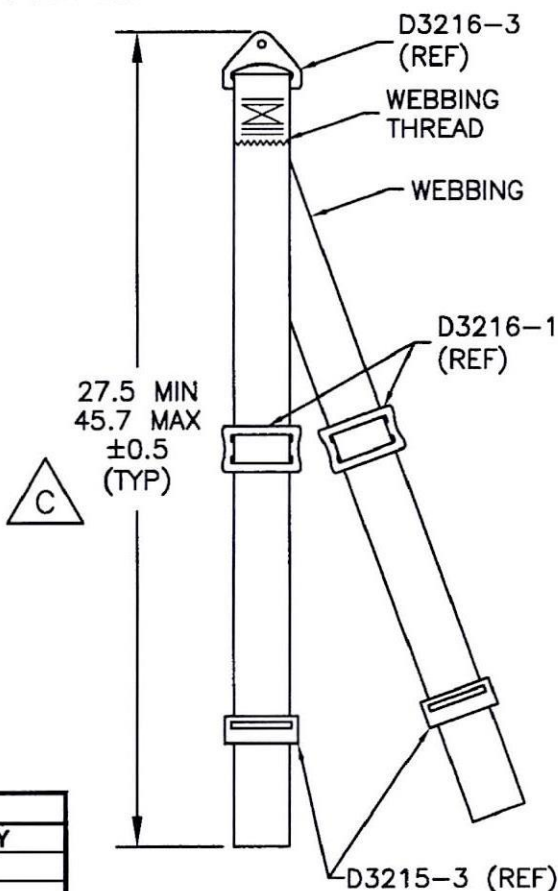
2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE
NOTED.

3) TOLERANCES ARE PER DART QSI 018 UNLESS
OTHERWISE NOTED.

4) SEE SHEET 3 FOR VIEW A-A

**RELEASED**

07.06.07

**ASSEMBLY DETAIL**
NOT TO SCALE

PARTS LIST:

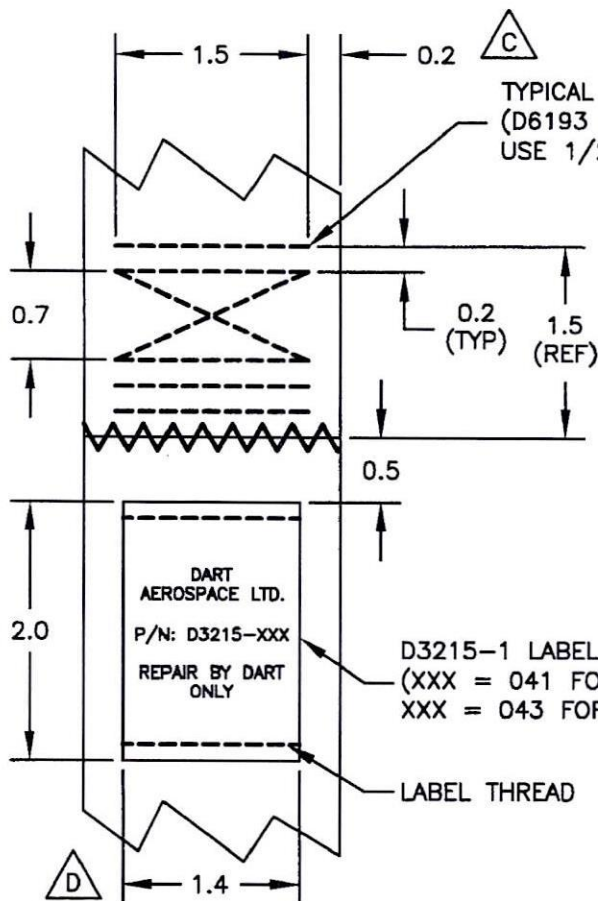
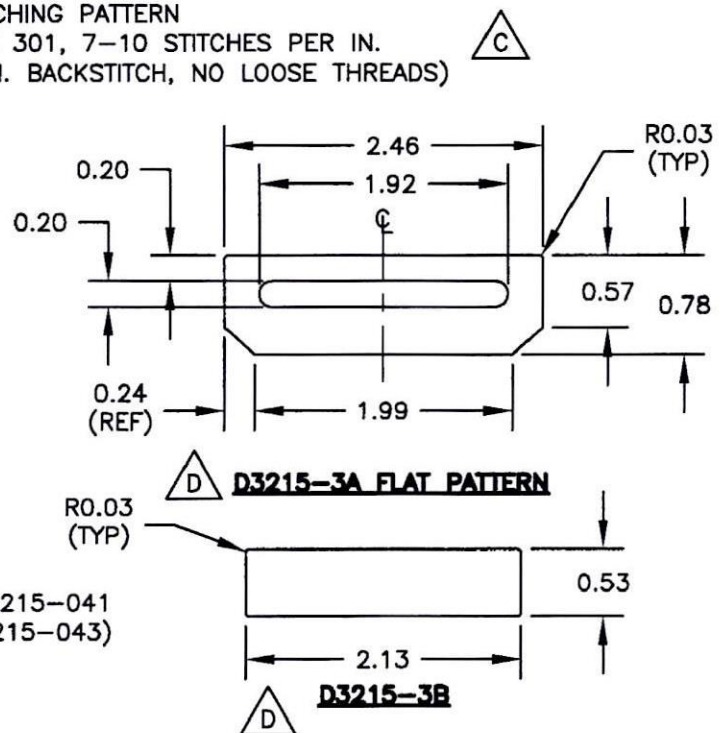
QTY	P/N	DESCRIPTION
X	D3215-043	BELT ASSEMBLY
AS REQ'D	SEE NOTE 1	WEBBING
AS REQ'D	SEE NOTE 1	WEBBING THREAD
AS REQ'D	SEE NOTE 1	LABEL THREAD
1	D3215-1	LABEL
2	D3215-3	WEBBING TIDY
2	D3216-1	WEBBING ADJUSTER

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DART

DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>#</i>	DRAWING NO. D3215	REV. D SHEET 3 OF 3
DATE 07.03.27	TITLE HARNESS ASSEMBLY		SCALE 3:2

**VIEW A-A****D3215-3A/-3B NOTES:**

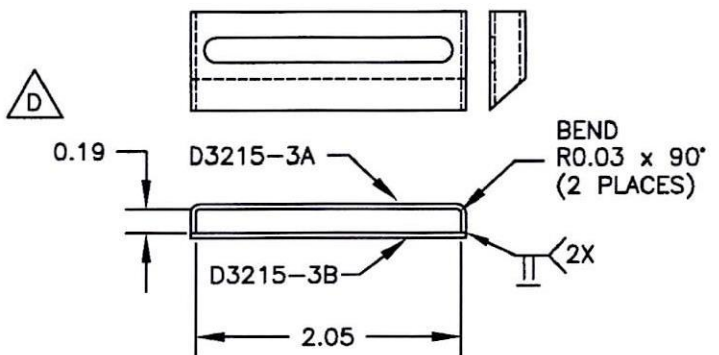
- 1) MATERIAL: 5052-H32 ALUMINUM SHEET, 0.040 THICK
PER QQ-A-250/8 OR AMS 4016
(REF DART SPEC. M5052H32S.040)
- 2) BEND D3215-3A PER D3215-3

D3215-1 LABEL:

- 1) MATERIAL: WHITE TYVEK OR
WHITE POLYESTER WHICH MEETS FMVSS 302
- 2) USE 1/8 BLACK LETTERING
- 3) CENTER ON BELT WIDTH

RELEASED07.06 07 *#***GENERAL NOTES:**

- 1) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS
OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES UNLESS
OTHERWISE NOTED

**D3215-3 WEBBING TIDY****D3215-3 NOTES:**

- 1) WELD PER DART QSI 004
- 2) FINISH: CHEMICAL CONVERSION COAT PER
DART QSI 005 4.1
POWDER COAT BLACK SANDTEX (4.3.5.7)
PER DART QSI 005 4.3

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Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO038060

Supplier: TUL001-VC
Tulmar Safety Systems
1123 Cameron St
Hawkesbury
ON
K6A 2B8 Canada
Phone: 613 632 1282
Fax: 613 632 2030

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO038060

PO Date: 10/17/17

Due Date: 10/31/17

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

Via: Ground

Pymt Terms: Prepay

Freight Terms:

Special Comments: Procurement Quality Clauses
A004 faa-pma/tso
A005 right of entry
A007 first article inspection (fai)
A016 personnel qualification
A026 certification of material conformance
A040 notification of quality escape
A041 quality management system
A043 retention of quality document
TSS = 5 YRS ONLY

Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	D3215-041P		Harness Assembly		Firmed	10/31/17	10 pcs	0 pcs	10 pcs	\$20.44/pcs	\$204.40
Line Item Note As per Dwg D3215 Rev. D Job #166786											
Grand Total: \$204.40											

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/20/17 1:19 PM dart.lavoie.chantal

DAE
38
9-88

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8
Tel: 613-632-1282
Fax: 613-632-2030
GST R132478223
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No Page

61672 1

Ship Date

11/2/2017

Bill To:

Dart Aerospace

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To:

Dart Aerospace

1270 Aberdeen Street
Tel: 613-632-5200
Att: Diane Baker
Hawkesbury, ON K6A 1K7
Canada

Order number	Sales order date	Account number	Loc	Account manager	PO number	Ship via	Shipping Terms
35365	10/19/2017	CDART100	H	Francine Bigras	PO038060	Pick-Up	FOB HAWKESBURY
Item No.	Description	Quantity ordered	UOM	Qty Shipped/Returned	Quantity on back order		
8937	Belt Ass'y, / 2" wide, Black Webbing Drawing No: D3215 (P/N D3215-041) DWG Rev: D Line 1 SF 43289 Procurement QC: A005 A012 A016 A017 A026 A041 A042 A043 (TSS 5yrs only) PICKUP BY DART	10.00	EA	10.00			
Lot no.: BATCH0000000042		10.00					

SEP 11-8

DAE
38
9-89

Certificate of Conformance

☒ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 225.

Authorized Inspector

Loraine LaBonte

Date:

Nov 2 2017

Belt-Tech Products Inc.

Certificate of Compliance No : 56 412

Page : 1 de 1
Date : 2010-10-22
Time : 13:31:04

Pattern : 27039

Width : 47.000

Dye lot No : 432674

Color : CG008 BLACK

Meters : 6 728.00

Warp Order :

Customer : TULMAR SAFETY SYSTEMS

Test Date : 2010/10/22

Nissan

Legend : Y = Good - Pass
N = Fail

Customer Part Number 18440 - 00

Test Method	Date	Type of Test	Min. Spec.	Max. Spec.	Median	Test 1	Test 2	Test 3
FMVSS 209	2009/10/01	Width - no load (mm)	46.000	48.000	47.930	47.840	47.970	47.930 Y
SAE J 882	2007/09/01	Thickness - original (mm)	1.140	1.400	1.175	1.185	1.175	1.175 Y
ASTM D-3775	2008/07/01	Picks per cm	7.000		7.200	7.200	7.200	7.200 Y
FMVSS 209	2009/10/01	Elongation - @ 11.1 kn load (%)		20.000	6.310	6.310	6.120	6.640 Y
FMVSS 209	2009/10/01	Tensile - original (lbs)	6,700.000		7,167.000	7,167.000	7,086.000	7,182.000 Y
FMVSS 209	2009/10/01	Tensile - hex-bar % of original	75.000		91.700	91.500	91.900	91.700 Y
AATCC TM 8	2007/01/01	Crocking "wet"	3.000		4.000	4.000	4.000	4.000 Y
AATCC TM 8	2007/01/01	Crocking "dry"	3.000		4.500	4.500	4.500	4.500 Y
AATCC TM 107	2009/01/01	Dye stability (staining) *	3.000		4.500	4.500	4.500	4.500 Y

Specification(s) : FMVSS 209 revised on 2008-10-01

FMVSS 302 revised on 2008-10-01

Comment(s)

clc's used to mfg. D3215-041
Rev. DLancine P. (cc)
Nov. 2/17DAL
38
9-88This is to certify that this product conforms to the specification(s) mentioned above and the requirement(s) outlined in the Purchase Order # and was tested at $22 \pm 3^{\circ}\text{C}$ temperature and 45-55 % relative humidity.

Not applicable for downgraded (second) material

If this document is not signed, it is to be regarded as a non-controlled version

Tested by :

Approved by :

4.10-1403E (2010-03-31)

TSS # 2281/12 (S)

Belt-Tech Products Inc.

Certificate of Compliance No : 56 412

Page : 1 de 1

Date : 2010-10-22

Time : 13:31:04

Pattern : 27039

Width : 47.000

Dye lot No : 432674

Color : CG008 BLACK

Meters : 6 728.00

Warp Order :

Customer : TULMAR SAFETY SYSTEMS
Nissan

Test Date : 2010/10/22

Legend : Y = Good - Pass
N = Fail

Customer Part Number 18440-00

Test Method	Date	Type of Test	Min. Spec.	Max. Spec.	Median	Test 1	Test 2	Test 3
FMVSS 209	2009/10/01	Width - no load (mm)	46.000	48.000	47.930	47.840	47.970	47.930 Y
SAE J 882	2007/09/01	Thickness - original (mm)	1.140	1.400	1.175	1.185	1.175	1.175 Y
ASTM D-3775	2008/07/01	Picks per cm	7.000		7.200	7.200	7.200	7.200 Y
FMVSS 209	2009/10/01	Elongation - @ 11.1 kn load (%)		20.000	6.310	6.310	6.120	6.640 Y
FMVSS 209	2009/10/01	Tensile - original (lbs)	6,700.000		7,167.000	7,167.000	7,086.000	7,182.000 Y
FMVSS 209	2009/10/01	Tensile - hex-bar % of original	75.000		91.700	91.500	91.900	91.700 Y
AATCC TM 8	2007/01/01	Crocking "wet"	3.000		4.000	4.000	4.000	4.000 Y
AATCC TM 8	2007/01/01	Crocking "dry"	3.000		4.500	4.500	4.500	4.500 Y
AATCC TM 107	2009/01/01	Dye stability (staining)	3.000		4.500	4.500	4.500	4.500 Y

Specification(s) : FMVSS 209 revised on 2008-10-01

FMVSS 302 revised on 2008-10-01

Comment(s)

This is to certify that this product conforms to the specification(s) mentioned above and the requirement(s) outlined in the Purchase Order # and was tested at $22 \pm 3^{\circ}\text{C}$ temperature and 45-55 % relative humidity.

Not applicable for downgraded (second) material

If this document is not signed, it is to be regarded as a non-controlled version

Tested by :

Approved by :

4.10-1403E (2010-03-31)

BS 2281/12 (S)



cansew inc.

formerly / anciennement
Canadian Sewing Supply Ltd. / Ltée - established / établie 1924

Manufacturers of sewing threads. / Wholesalers of elastics, Velcro, tapes, trimmings.
Fabricants de fils à coudre. / Grossistes d'élastiques, Velcro, galons, garnitures.

20 October 2008

Tulmar Safety Systems
1123 Cameron Street
Hawksbury, Ontario
K6A 2B8

Att. Sandra Nadeau

CERTIFICATE OF COMPLIANCE

This is to certify that the items mentioned below, shipped to Tulmar Safety Systems by CANSEW INC. on 20 October 2008, have been produced in accordance with the requirements of Purchase Order no. 14929-00 of the same date:

-Bonded Nylon CBB92 - 35.18 lb, colour OG-107, lot # 748348, meeting the requirements of specification V-T-295, Type 2, Class A, Size F

*-Bonded Nylon CB207 - 19.96 lb, colour black, lot # 656160, meeting the requirements of specification V-T-295, Type 2, Class A, Size 3, 3 ply

Yours truly,


for: Hershie Schachter
CANSEW INC.

MONTREAL - Head Office/Siège social
111 Chabanel W / O H2N 1C9
Administration (514) 382-2807
Commandes/Orders (514) 382-2801
1-800-361-7722
FAX: (514) 385-5530

TORONTO
28 Apex Rd. M6A 2V2
(416) 782-1122
1-800-387-8584
FAX: (416) 782-8358

WINNIPEG
1674 Church Ave R2X 2W9
(204) 942-4264
1-800-665-0701
FAX: (204) 947-9280

CALGARY
3932 - 29th St. N.E. T1Y 6B6
(403) 291-4494
1-800-667-4197
FAX: (403) 291-5139

VANCOUVER
1615 Venables St. V5L 2H1
(604) 682-4341
1-800-580-0737
FAX: (604) 682-4196

info@cansew.ca

www.cansew.ca

TSS # 2525/42. 

June 7, 2016

TULMAR SAFETY SYSTEMS
 1123 CAMERON STREET
 HAWKSBURY, ONTARIO
 K6A 2B8

CERTIFICATE OF COMPLIANCE

This is to certify that the item mentioned below, shipped to Tulmar Safety Systems by Cansew Inc. on June 7, 2016, has been produced in accordance with the requirements of Purchase Order no. 30203-00 of the same date:

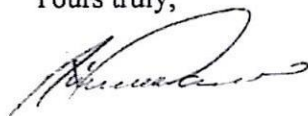
- **NB CBB92 LB;** Cansew Nylon – Qty 44.26 lbs, Colour: Black
 LOT #: F78826

Description

Thread, Nylon, Twisted, Black, A-A-59826, TY2, CLA, Size F, CBB92, (Supercedes V-T-295)

Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have include, the following substances:	Hexavalent Chromium: Cadmium: Beryllium; Nickel; Mercury; Lead; Asbesotos; Radioactive elements YES NO ●
Country of Origin of Goods: USA		
Limited Shelf-Life	<u>Definition:</u> If material is consumed or transformed into final product before end of shlf-life there is no effect on final product.	These items have limited Shelf-Life YES NO ●
Expiry date	<u>Definition:</u> Date after which performance will no longer be as intended – expiration is transferred to the final product.	These items have expiry date YES NO ●

Yours truly,


Richard Doré
 Sales Manager


JUN 08 2016

2530 B#56

MONTREAL	TORONTO	WINNIPEG	CALGARY	VANCOUVER
111 Chabanel W. H2N 1C9	28 Apex Rd. M6A 2V2	1674 Church Ave. R2X 2W9	3932-29th St. N.E. T1Y 6B6	1217 East Georgia St. V6A 2A9
Tel. (514) 382-2801	(416)782-1122	(204)942-4264	(403)291-4494	(604)682-4341
1-800-361-7722	1-800-387-8584	1-800-665-0701	1-800-667-4197	1-800-580-0737
Fax: (514) 385-5530	(416)782-8358	(204)947-9280	(403)291-5139	(604)682-4196
E-mail: info@cansew.ca	info@cansew.ca	info@cansew.ca	info@cansew.ca	info@cansew.ca
www.cansew.ca				

TULMAR

Certificate of Conformance

Tulmar P/N	Description	Dwg #	Revision	Qty
22019-001	BLANK 2360NWT, IMPRINTED ONE-SIDE, 1-3/8" WEB			1

Tulmar PO #	Line Item #	Supplier Name / Address	Supplier Packing Slip #
30405-00	25KAMSAFE	Juarez, Mexico, Avery Dennison Retail Information Services LLC, Avery De Mexico S De RL DE CV, 5 Founders Blvd, Suite 200, El Paso, Tx 79906 United States	AVY-12733506

Supplier Declarations:

Hazardous Materials Acknowledgement		The items described below may contain, and their processing may have included, the following substances:		Hexavalent Chromium; Cadmium; Beryllium; Nickel; Mercury; Lead; Asbestos; Radioactive elements YES ☐ NO ☒	
Country of Origin of Goods : USA				if YES, please complete the HazMat Acknowledgement form @ www.tulmar.com	
Limited Shelf-Life	Definition: If material is consumed or transformed into final product before end of shelf-life there is no effect on final product.	These items have a limited Shelf-Life	YES ☐ NO ☒	if YES, please complete the Time Expired – Shelf-Life questionnaire @ www.tulmar.com	
Expiry date	Definition: Date after which performance will no longer be as intended - expiration is transferred to the final product.	These items have an expiry date	YES ☐ NO ☒		

Additional Information (MRS#, MRA#, limitations, etc...):

The image shows the front cover of a book. The cover is a dark, mottled grey or black color with a fine, woven texture. A vertical crease runs down the center of the cover, suggesting it is a hardcover with a spine. A thin, vertical white line is visible along the left edge, possibly indicating the hinge or the edge of the spine. The lighting is slightly uneven, with a subtle gradient from left to right.

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. Objective evidence to support this statement is on file and can be made available upon request. Should further information be required, please contact:

Signature	Name	Date (DD-MMM-YYYY)
	Andres De Anda	06-10-2016
Title	Email	Phone #
Quality Engineer	andres.deanda@averydennison.com	+(52) 656 3229012

OCT 07 2016

22019-001 B#9

Form Revision 13 Aug 2012